## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

SUGIURA et al (As Amended)

Atty. Ref.: 2018-746

Serial No. To Be Assigned

Group: unknown

Filed: July 24, 2003

Examiner: unknown

For: STICK-TYPE IGNITION COIL HAVING IMPROVED

STRUCTURE AGAINST CRACK OR DIELECTRIC DISCHARGE

**Assistant Commissioner for Patents** Washington, DC 20231

July 24, 2003

Sir:

## INFORMATION DISCLOSURE STATEMENT

Applicants hereby disclose to the Patent Office patents, publications, and other information of which they are aware. Forms PTO-1449 listing the above-items for consideration by the Examiner is attached hereto. The listed references were cited by or submitted to the Patent Office in connection with the parent Application Serial No. 09/635,138 from which this application claims priority under 35 U.S.C. § 120. Accordingly, pursuant to 37 C.F.R. §1.98(d), copies of the cited references are not being separately provided in this application.

Respectfully submitted,

NIXON & VANDERHYE\_P.C.

Michelle N. Lester

Reg. No. 32,331

MNL:sli

1100 North Glebe Road, 8th Floor

Arlington, VA 22201-4714 Telephone: (703) 816-4000

Facsimile: (703) 816-4100

INFORMATION DISCLOSURE CITATION		2018-746		SERIAL	SERIAL NO.  Not yet assigned				
				Not y					
		APPLICAN	Т						
	·		RA et al (As Amended)						
(Use	e several sheets if necessary)	FILING DA	TE	GROUP	,				
		July 24	4, 2003			•			
		U.	S. PATENT DOCUMENTS						
AMINER IITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING IF APPR	G DATE ROPRIA	
1	4866409	9/1989	Umezaki			1			
		FOF	REIGN PATENT DOCUMEN	ITS		<b></b>	L		
		<del>,</del>	<del></del>				TRANS	SLATIO	
	DOCUMENT	DATE	· COUNTRY		CLASS	SUBCLASS	YES	N	
	DE 3113743A1	10/1982	Germany						
	WO 93/13533	8/1993	WIPO						
	0388146 A1	9/1990	EPO						
	0738831 A2	10/1996	EPO						
	0827163 A2	3/1998	EPO						
	2512714	09/1976	Germany						
	0258036	03/1988	EPO		i				
	2302616A	01/1997	Great Britain						
	10-112413	04/1998	Japan						
	1 125519	08/1989	Japan						
	1 63120	04/1989	Japan						
	62 197831	12/1987	Japan						
	9 186034	07/1997	Japan					T	
	5 267072	10/1993	Japan					T	
	3 236208	10/1991	Japan						
	2 301105	12/1990	Japan					T	
	58-61615	04/1983	Japan						
	OTHER DOC	UMENTS (ir	ncluding Author, Title, Dat	e, Pertinent	pages,	etc.)	<del></del>		
	PATENT ABSTRACTS	OF JAPAN	, Vol. 007, No. 233 (E-204),	15 October	1983 & .	IP 58 12271	3A (Ha	nshir	
	Electric KK), 21 July 1								
	1		, Vol. 096, No. 005, 31 May	1996 & JP (	08 01765	7 A (Nippor	idenso (	Co.	
-	Ltd.), 19 January 1996		, Vol. 010, No. 035 (E-380),	12 Februan	/ 1086 &	IP 60 1923	13 A (N	linno	
1 1	Denso KK), 30 Septen		, voi. 010, 140, 000 (L-300),	12 T EDITION	, 1300 a	0, 00 1020	/10 / (II	ippo	
			, Vol. 013, No. 254 (E-772),	13 June 198	89 & JP (	01 053514A	(Nippor	n De	
	Co. Ltd.), 1 March 198								
		OF JAPAN	, Vol. 096, No. 008, 30 Augu	ust 1996 & J	P 08 086	267A (Toyo	Denso	Co.	
1	Ltd.), 2 April 1996	OF IADAN	, Vol. 097, No. 005, 30 May	1007 & ID (	0 01766	2Δ (Hitachi	I td. Hit.	achi	
	Automot Eng Co Ltd),			ISST CLUF (	, , , , , , , , , , , , , , , , , , , ,	∠∧ (1 macili	ي. س. ۱ ۱۱۱۱	20111	
	PATENT ABSTRACTS	OF JAPAN	, Vol. 018, No. 430 (C-1236)	), 11 August	1994 &	JP 06 1284	71A (To	ray lı	
	Inc); 10 May 1994								
	PATENT ABSTRACTS OF JAPAN, Vol. 096, No. 003,29 March 1996 & JP 07 312839 A (Mitsubishi Electric								
	Corp); 28 November 1		1700 of DENCO dated 1000						
aminer	Engineering Drawing I	NO. UZ97UU-2	1790 of DENSO dated 1990 Date Consi						
21 I III I CI	<u> </u>	<del></del>	Date Consi	40,04		-		Include	

INFORMATION DISCLOSURE CITATION		ATTY, DOCKET NO.		serial no. Not Yet Assigned				
		2018-746						
		APPLICAL			3			
	•	SUGIL	JRA et al (As Amended)					
	(Use several sheets if necessary)	FILING DA	· · · · · · · · · · · · · · · · · · ·	GROUP	<del></del>			
		July 24	4, 2003					
<del></del>	<del></del>		S. PATENT DOCUMENTS				<del></del>	
*EXAMIN				<del></del>			DATE	
INITIAL	5 416 459	5/16/95	NAME IDA ET AL	CLASS	SUBCLASS	IF APPR	OPRIATE	
	5 778 863	07/1998	OOSUKA		ļ	ļ		
	5 703 556	12/1997	KIKUTA		ļ	ļ		
	4 982 498	01/1991	UMEZAKI		<del> </del>			
<del></del>			<del></del>		ļ	<u> </u>		
	4 803 454	02/1991	UMEZAKI		ļ			
	4 736 179	04/1988	BEHNKE			ļ		
	4 532 398	07/1985	HENRIKSSON					
	4 325 096	04/1982	SUNOHARA		<u> </u>			
	2 743 308	04/1956	BARDSLEY					
	4 744 337	05/1988	EBINUMA				-	
	4 514 712	07/1998	MCDOUGAL					
							·	
		FO	REIGN PATENT DOCUMENTS					
							LATION	
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO	
	Y2-59-030501	08/1984	JAPAN					
	A 09-022825	01/1997	JAPAN					
	A 09-180948	07/1997	JAPAN					
	A 09-171934	061997	JAPAN					
	A 9-167709	06/1997	JAPAN			10		
	0 782 231 A1	021997	EP					
	A 05-021242	01/1993	JAPAN					
	A 62-166745	07/1987	JAPAN					
	A 50-74123	06/1975	JAPAN					
	1 156 732	11/1983	CANADA					
	A 05-146107	6/1993	JAPAN					
	OTHER DOC	UMENTS (i	ncluding Author, Title, Date, Per	tinent pages,	etc.)		<del></del>	
_								
Examin	nor .	<del></del>	Data Canaidarad	<del></del>	<del></del>			
	<del></del>		Date Considered					
=xaminer:	Initial if reference considered, whether or i	not citation is in c	conformance with MPEP 609; Draw line through o	station if not in conform	nance and not co	onsidered. I	nclude	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

\*Examiner

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. 2018-746		To Be Assigned				
		(Use	several sheets if necessary)	SUGIURA et al (As Amended) FILING DATE GROUP				
·				Grido.				
<del></del>	·	July 24, 2003	<del></del>		<del></del>		<del></del>	
		U.S. PATE	NT DOCUMENTS					
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME_	CLASS	SUBCLASS		OPRIATE	
	5 767 758	06/1998 .	SAKAMAKI			1 /1/18	01 1111111	
	5 870 012	02/1999	SAKAMAKI			<del> </del>		
					1	<del> </del>		
	7					1		
							<del></del>	
						1		
						<u> </u>		
				<del></del>				
	- <del></del>		<del></del>			<del> </del>		
							. —	
			<del></del>					
~		FOREIGN PA	TENT DOCUMENTS	`				
	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	ABST YES	RAÇT NO	
	04-144217	05/1992	JAPAN		<u> </u>	XX		
	61-158116	07/1986	JAPAN	····		XX		
	08-203757	08/1996	JAPAN			XX		
	07-142233	06/1995	JAPAN.			XX		
	60-103608	06/1985	JAPAN	1	<del>-</del>	XX		
	62-172127	10/1987	JAPAN	concise	explanation			
	3028977	07/1996	JAPAN		explanation		<del> </del>	
	2-92912	07/1990	JAPAN		explanation			
	10-22144	02/1998	JAPAN		<u> </u>	XX	<del> </del>	
	4-144218	05/1992	JAPAN					
·			Author, Title, Date, Per			01.000		
			re; Ignition Device for Int	ernal Combustion	Engine; No.	81-083;		
	November 15, 1991 with	ransiation						
	<del></del>	т т						
	<del> </del>	<del> </del>						

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Date Considered

Form PTO-FB-A820 (Also PTO-1449)